

The invention enables the synthesising of any acoustical data by a concatenation of individual audio segment bands, with the instances in which the respective concatenation of two successive audio segment bands take place being established as a function of properties of the audio segments. In this manner, synthesised acoustical data can be generated which, after a conversion to acoustical signals, do not differ from corresponding, naturally generated acoustical signals. In particular, the invention permits the generation of synthesised voice data under consideration of co-articulatory effects by means of a concatenation of individual voice audio segments. The voice data provided in this manner can be converted to voice signals which cannot be distinguished from a naturally spoken language.

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different fish species. The y-axis for all charts is 'Percentage of total catch' ranging from 0 to 100. The x-axis for all charts is 'Year' from 1990 to 2001. Error bars are present for each data point.

- (a) Atlantic croaker: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (b) Striped bass: Shows a steady increase from ~10% in 1990 to ~60% in 2001.
- (c) Blue crab: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (d) Spot: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (e) Weakfish: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (f) Rockfish: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (g) Atlantic silverside: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (h) Atlantic herring: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (i) Atlantic menhaden: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (j) Atlantic bluefish: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (k) Atlantic tomcod: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.
- (l) Atlantic sand lance: Shows a peak in 1990 (~85%) and 1991 (~75%), then a general decline to near 0% by 2001.